

**Data Set Name: curesc\_year2\_v2.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	DUMMYID	Num	8		Dummy CIBMTR Recipient ID
2	STROKEHI	Num	8		Stroke post HCT
3	ACSPSHI	Num	8		Acute chest syndrome post HCT
4	VOCPSHI	Num	8		Vaso-occlusive pain post HCT
5	RCMVPR	Num	8		Recipient CMV serostatus
6	TXNUM	Num	8		Transplant number
7	TXTYPE	Num	8		Transplant type
8	SEX	Num	8		Sex
9	ETHNICIT	Num	8		Ethnicity
10	DONORF	Num	8		Donor type
11	GRAFTYPE	Num	8		Graft type
12	YEARTX	Num	8		Year of transplant
13	COUNTRY	Num	8		Country of HCT institution
14	AGE	Num	8	8.1	Patient age at transplant, years
15	INTXSURV	Num	8		Time from HCT to date of last contact or death, months
16	AGEGPF	Num	8		Patient age at transplant, years (grouped)
17	KPS	Num	8		Karnofsky/Lansky score at HCT
18	HCTCIGPF	Num	8		HCT-comorbidity index
19	SUBDIS1F	Num	8		Disease genotype
20	ATGF	Num	8		ATG/Alemtuzumab given as conditioning regimen/GVHD prophylaxis
21	YEARGPF	Num	8		Year of transplant (grouped)
22	DEAD	Num	8		Survival status at last contact
23	GVHD_FINAL	Num	8		GVHD prophylaxis
24	CONDGRPF	Num	8		Conditioning intensity
25	CONDGRP_FINAL	Num	8		Conditioning regimen
26	HLA_FINAL	Num	8		Donor-recipient HLA matching
27	FLAG_LANCET	Num	8		Cases from 2019 Lancet Hematology publication
28	FLAG_BLOOD	Num	8		Cases from 2016 Blood publication
29	AGVHD	Num	8		Acute graft versus host disease, grades II-IV
30	INTXAGVHD	Num	8		Time from HCT to acute graft-vs-host disease, months
31	CGVHD	Num	8		Chronic graft-vs-host disease
32	INTXCGVHD	Num	8		Time from HCT to chronic graft-vs-host disease, months
33	ANC	Num	8		Neutrophil engraftment
34	INTXANC	Num	8		Time from HCT to neutrophil engraftment, months
35	PLATELET	Num	8		Platelet recovery
36	INTXPLATELET	Num	8		Time from HCT to platelet recovery, months
37	GF	Num	8		Graft failure

Num	Variable	Type	Len	Format	Label
38	INTXGF	Num	8		Time from HCT to graft failure, months
39	EFS	Num	8		Event-free survival (Graft failure or death are the events)
40	DWOAGVHD	Num	8		Death without acute graft versus host disease, grades II-IV
41	DWOCGVHD	Num	8		Death without chronic graft-vs-host disease
42	DWOANC	Num	8		Death without neutrophil engraftment
43	DWOPLATELET	Num	8		Death without platelet recovery
44	DWOGF	Num	8		Death without graft failure
45	SCDMAL_FINAL	Num	8		Secondary malignancy
46	INTXSCDMAL	Num	8		Time from HCT to second malignancy, months
47	SCREATPR	Num	8		Serum creatinine pre-conditioning
48	SCREUNIT	Num	8		Serum creatinine pre-conditioning unit
49	SCREAULN	Num	8		Normal upper limit of serum creatinine for center
50	HB1PR	Num	8		Hemoglobin pre-conditioning
51	HB1UNPR	Num	8		Hemoglobin pre-conditioning unit
52	HCTFPR	Num	8		RBC transfused <30 prior to hemoglobin test
53	FUNGHXPR	Num	8		Clinically significant fungal infection at any time pre-conditioning
54	SCREPRKW	Num	8		Serum creatinine known pre-conditioning
55	SCRENUNT	Num	8		Normal upper limit of serum creatinine for center, unit
56	SALBPRKW	Num	8		Serum albumin known pre-conditioning
57	SALBUMPR	Num	8		Serum albumin pre-conditioning
58	SALBUNIT	Num	8		Serum albumin pre-conditioning unit
59	SALBMULN	Num	8		Normal upper limit of serum albumin for center
60	SALBNUNT	Num	8		Normal upper limit of serum albumin for center, unit
61	HB1PRKW	Num	8		Hemoglobin known pre-conditioning
62	IPNPSHI	Num	8		Did patient develop Ipn, ARDS, or IPS following HCT?
63	PULMABHI	Num	8		Did patient develop other non-infectious pulmonary abnormality following HCT?
64	EINTUBHI	Num	8		Intubation or mechanical ventilation post-HCT
65	EXTUBAHI	Num	8		Successfully extubated following intubation
66	TMAPSHI	Num	8		TMA post-HCT
67	TMARSLHI	Num	8		Did TMA resolve?
68	AVNPSHI	Num	8		Avascular necrosis
69	CATAPSHI	Num	8		Cataracts
70	CHFPSHI	Num	8		Congestive heart failure
71	GODYPSHI	Num	8		Gonadal dysfunction requiring hormone therapy
72	GRWDPSHI	Num	8		Growth hormone deficiency/ short stature
73	HCYSPSHI	Num	8		Hemorrhagic cystitis
74	INFAPSHI	Num	8		Myocardial infarction/unstable angina
75	PANCPSHI	Num	8		Pancreatitis
76	ADIALYHI	Num	8		Acute renal failure requiring dialysis

Num	Variable	Type	Len	Format	Label
77	ADIASTLS	Num	8		Patient still on dialysis
78	CKDNPSHI	Num	8		Chronic kidney disease
79	CDIASTLS	Num	8		Patient still on dialysis
80	ARRHYTHI	Num	8		Arrhythmia
81	CADPSHI	Num	8		Coronary artery disease
82	HTNRXHI	Num	8		Hypertension (HTN) requiring therapy
83	HTNSTLS	Num	8		Patient still receiving HTN therapy
84	DVTPEHI	Num	8		Deep vein thrombosis (DVT)/pulmonary embolism (PE)
85	DVTCATHI	Num	8		DVT catheter related
86	CNSHEMHI	Num	8		CNS hemorrhage
87	ENCEPHHI	Num	8		Encephalopathy
88	NEUROPHI	Num	8		Neuropathy
89	SEIZPSHI	Num	8		Seizures
90	STRKPSHI	Num	8		Stroke
91	DIABRXHI	Num	8		Diabetes/hyperglycemia requiring chronic treatment
92	DIABSTLS	Num	8		Patient still receiving diabetes therapy
93	GRWDRXHI	Num	8		Therapy given for growth hormone deficiency
94	HYPORXHI	Num	8		Hypothyroidism requiring treatment
95	OSTJAWHI	Num	8		Osteonecrosis of the jaw
96	OSTEOPHI	Num	8		Osteoporosis
97	OSTFXHI	Num	8		Osteoporotic fracture
98	DEPRRXHI	Num	8		Depression requiring therapy
99	ANXIRXHI	Num	8		Anxiety requiring therapy
100	PTSDRXHI	Num	8		Post-traumatic stress disorder (PTSD) requiring therapy
101	HYLIRXHI	Num	8		Hyperlipidemia requiring therapy
102	HYLISTLS	Num	8		Patient still receiving hyperlipidemia therapy
103	IRONRXHI	Num	8		Iron overload requiring therapy
104	MUCORXHI	Num	8		Mucositis requiring therapy
105	OMSGRDHI	Num	8		OMS grade
106	LIVBXPR	Num	8		Liver biopsy performed pre-conditioning
107	FIBROPR	Num	8		Fibrosis present pre-conditioning
108	ACSPR	Num	8		Acute chest syndrome (ACS) pre-conditioning
109	NACS2YR	Num	8		Number of ACS syndromes within 2 years pre-HCT
110	EXCHTFPR	Num	8		Require exchange transfusion
111	INTUBAPR	Num	8		Intubation or mechanical ventilation for ACS pre-conditioning
112	RBCTRFPR	Num	8		Transfusion of RBC for ACS pre-conditioning
113	SNEPHRPR	Num	8		Sickle neuropathy pre-conditioning
114	STROKEPR	Num	8		Stroke pre-conditioning
115	VOC2YPR	Num	8		Vaso-occlusive crisis requiring hospitalization within 2 years pre-HCT

Num	Variable	Type	Len	Format	Label
116	VOCFRQPR	Num	8		Frequency of hospitalizations for vaso-occlusive crises
117	SCATXRSN	Num	8		Primary reason for HCT
118	SNEPHRHI	Num	8		Sickle neuropathy post-HCT
119	HBEPPSHI	Num	8		Hemoglobin electrophoresis performed post-HCT
120	INTXINTUB	Num	8		Time from HCT to intubation, months
121	VOD	Num	8		VOD post-HCT
122	INTXVOD	Num	8		Time from HCT to VOD, months
123	INTXTMA	Num	8		Time from HCT to TMA, months
124	INTXADIAL	Num	8		Time from HCT to acute renal failure, months
125	INTXCDIAL	Num	8		Time from HCT to chronic kidney disease, months
126	ARRHYTH_TYPE	Num	8		Type of arrhythmia
127	INTXARRHYTH	Num	8		Time from HCT to arrhythmia, months
128	INTXCHF	Num	8		Time from HCT to congestive heart failure, months
129	INTXINFAP	Num	8		Time from HCT to myocardial infarction, months
130	INTXHTN	Num	8		Time from HCT to HTN, months
131	INTXDVT	Num	8		Time from HCT to DVT, months
132	INTXCNS	Num	8		Time from HCT to CNS hemorrhage, months
133	INTXENC	Num	8		Time from HCT to encephalopathy, months
134	INTXNEURO	Num	8		Time from HCT to neuropathy, months
135	INTXSEIZ	Num	8		Time from HCT to seizures, months
136	INTXSTROKE	Num	8		Time from HCT to stroke, months
137	INTXDIAB	Num	8		Time from HCT to diabetes, months
138	INTXGHD	Num	8		Time from HCT to growth hormone deficiency, months
139	INTXHYP	Num	8		Time from HCT to hypothyroidism, months
140	INTXPANC	Num	8		Time from HCT to pancreatitis, months
141	INTXGOD	Num	8		Time from HCT to gonadal dysfunction, months
142	INTXCYST	Num	8		Time from HCT to hemorrhagic cystitis, months
143	INTXAVN	Num	8		Time from HCT to avascular necrosis, months
144	INTXOSTEO	Num	8		Time from HCT to osteoporosis, months
145	INTXDEPR	Num	8		Time from HCT to depression, months
146	INTXANX	Num	8		Time from HCT to anxiety, months
147	INTXPTSD	Num	8		Time from HCT to PTSD, months
148	INTXCATA	Num	8		Time from HCT to Cataracts, months
149	INTXHYLIP	Num	8		Time from HCT to hyperlipidemia, months
150	INTXIRON	Num	8		Time from HCT to iron overload, months
151	IRON_TRT	Num	8		Type of therapy for iron overload
152	INTXMUCOS	Num	8		Time from HCT to mucositis, months
153	KPSPT	Num	8		Most recent Karnofsky/Lansky score post-HCT
154	OTHORGPSHI	Num	8		Other organ impairment or disorder

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
155	INTSCREPR	Num	8		Time from serum creatinine test pre-conditioning to transplant, months
156	INTSALBPR	Num	8		Time from serum albumin test pre-conditioning to transplant, months
157	RACEG	Num	8		Race (regrouped):

**Data Set Name: curesc\_year3\_v3.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	DUMMYID	Num	8		Dummy CIBMTR Recipient ID
2	RCMVPR	Num	8		Recipient CMV serostatus
3	TXNUM	Num	8		Transplant number
4	TXTYPE	Num	8		Transplant type
5	SEX	Num	8		Sex
6	ETHNICIT	Num	8		Ethnicity
7	DONORF	Num	8		Donor type
8	GRAFTYPE	Num	8		Graft type
9	YEARTX	Num	8		Year of transplant
10	COUNTRY	Num	8		Country of HCT institution
11	AGE	Num	8	8.1	Patient age at transplant, years
12	AGEGPF	Num	8		Patient age at transplant, years (grouped)
13	KPS	Num	8		Karnofsky/Lansky score at HCT
14	HCTCIGPF	Num	8		HCT-comorbidity index
15	SUBDIS1F	Num	8		Disease genotype
16	ATGF	Num	8		ATG/Alemtuzumab given as conditioning regimen/GVHD prophylaxis
17	YEARGPF	Num	8		Year of transplant (grouped)
18	GVHD_FINAL	Num	8		GVHD prophylaxis
19	CONDGRPF	Num	8		Conditioning intensity
20	CONDGRP_FINAL	Num	8		Conditioning regimen
21	HLA_FINAL	Num	8		Donor-recipient HLA matching
22	FLAG_LANCET	Num	8		Cases from 2019 Lancet Hematology publication
23	FLAG_BLOOD	Num	8		Cases from 2016 Blood publication
24	DEAD	Num	8		Survival status at last contact
25	INTXSURV	Num	8		Time from HCT to date of last contact or death, months
26	GF	Num	8		Graft failure
27	INTXGF	Num	8		Time from HCT to graft failure, months
28	EFS	Num	8		Event-free survival (Graft failure or death are the events)
29	ANC	Num	8		Neutrophil engraftment
30	INTXANC	Num	8		Time from HCT to neutrophil engraftment, months
31	PLATELET	Num	8		Platelet recovery
32	INTXPLATELET	Num	8		Time from HCT to platelet recovery, months
33	AGVHD	Num	8		Acute graft versus host disease, grades II-IV
34	INTXAGVHD	Num	8		Time from HCT to acute graft-vs-host disease, months
35	CGVHD	Num	8		Chronic graft-vs-host disease
36	INTXCGVHD	Num	8		Time from HCT to chronic graft-vs-host disease, months

Num	Variable	Type	Len	Format	Label
37	SCDMAL_FINAL	Num	8		Secondary malignancy
38	INTXSCDMAL	Num	8		Time from HCT to second malignancy, months
39	DWOAGVHD	Num	8		Death without acute graft versus host disease, grades II-IV
40	DWOCGVHD	Num	8		Death without chronic graft-vs-host disease
41	DWOANC	Num	8		Death without neutrophil engraftment
42	DWOPLATELET	Num	8		Death without platelet recovery
43	DWOGF	Num	8		Death without graft failure
44	PTLD	Num	8		Post-transplant lymphoproliferative disorder (PTLD)
45	INTXPTLD	Num	8		Time from HCT to PTLD, months
46	FLAG_0601	Num	8		Cases from BMT CTN 0601
47	ADIALYHI	Num	8		Acute renal failure requiring dialysis
48	ANXIRXHI	Num	8		Anxiety requiring therapy
49	ARRHYTHI	Num	8		Arrhythmia
50	AVNPSHI	Num	8		Avascular necrosis
51	CADPSHI	Num	8		Coronary artery disease
52	CATAPSHI	Num	8		Cataracts
53	CHFPSHI	Num	8		Congestive heart failure
54	CNSHEMHI	Num	8		CNS hemorrhage
55	DEPRRXHI	Num	8		Depression requiring therapy
56	DVTCATHI	Num	8		DVT catheter related
57	DVTPEHI	Num	8		Deep vein thrombosis (DVT)/pulmonary embolism (PE)
58	EINTUBHI	Num	8		Intubation or mechanical ventilation post-HCT
59	ENCEPHHI	Num	8		Encephalopathy
60	GODYPSHI	Num	8		Gonadal dysfunction requiring hormone therapy
61	GRWDPSHI	Num	8		Growth hormone deficiency/ short stature
62	GRWDRXHI	Num	8		Therapy given for growth hormone deficiency
63	HCYSPSHI	Num	8		Hemorrhagic cystitis
64	HTNRXHI	Num	8		Hypertension (HTN) requiring therapy
65	HYLIRXHI	Num	8		Hyperlipidemia requiring therapy
66	INFAPSHI	Num	8		Myocardial infarction/unstable angina
67	IPNPSHI	Num	8		Did patient develop Ipn, ARDS, or IPS following HCT?
68	IRONRXHI	Num	8		Iron overload requiring therapy
69	MUCORXHI	Num	8		Mucositis requiring therapy
70	NEUROPHI	Num	8		Neuropathy
71	OMSGRDHI	Num	8		OMS grade
72	OSTEOPHI	Num	8		Osteoporosis
73	OSTFXHI	Num	8		Osteoporotic fracture
74	OSTJAWHI	Num	8		Osteonecrosis of the jaw
75	PANCPSHI	Num	8		Pancreatitis

Num	Variable	Type	Len	Format	Label
76	PTSDRXHI	Num	8		Post-traumatic stress disorder (PTSD) requiring therapy
77	PULMABHI	Num	8		Did patient develop other non-infectious pulmonary abnormality following HCT?
78	SEIZPSHI	Num	8		Seizures
79	STRKPSHI	Num	8		Stroke
80	TMAPSHI	Num	8		TMA post-HCT
81	TMARSLHI	Num	8		Did TMA resolve?
82	LIVBXPR	Num	8		Liver biopsy performed pre-conditioning
83	FIBROPR	Num	8		Fibrosis present pre-conditioning
84	ACSPR	Num	8		Acute chest syndrome (ACS) pre-conditioning
85	NACS2YR	Num	8		Number of ACS syndromes within 2 years pre-HCT
86	EXCHTFPR	Num	8		Require exchange transfusion
87	INTUBAPR	Num	8		Intubation or mechanical ventilation for ACS pre-conditioning
88	RBCTRFPR	Num	8		Transfusion of RBC for ACS pre-conditioning
89	SNEPHRPR	Num	8		Sickle neuropathy pre-conditioning
90	STROKEPR	Num	8		Stroke pre-conditioning
91	VOC2YPR	Num	8		Vaso-occlusive crisis requiring hospitalization within 2 years pre-HCT
92	VOCFRQPR	Num	8		Frequency of hospitalizations for vaso-occlusive crises
93	SCATXRSN	Num	8		Primary reason for HCT
94	SNEPHRHI	Num	8		Sickle neuropathy post-HCT
95	HBEPSPHI	Num	8		Hemoglobin electrophoresis performed post-HCT
96	STROKEHI	Num	8		Stroke post HCT
97	VOCPSHI	Num	8		Vaso-occlusive pain post HCT
98	ACSPSHI	Num	8		Acute chest syndrome post HCT
99	EXTUBAHI	Num	8		Successfully extubated following intubation
100	ADIASTLS	Num	8		Patient still on dialysis
101	CKDNPSHI	Num	8		Chronic kidney disease
102	CDIASTLS	Num	8		Patient still on dialysis
103	HTNSTLS	Num	8		Patient still receiving HTN therapy
104	DIABRXHI	Num	8		Diabetes/hyperglycemia requiring chronic treatment
105	DIABSTLS	Num	8		Patient still receiving diabetes therapy
106	HYPORXHI	Num	8		Hypothyroidism requiring treatment
107	HYLISTLS	Num	8		Patient still receiving hyperlipidemia therapy
108	SCREPRKW	Num	8		Serum creatinine known pre-conditioning
109	SCREATPR	Num	8		Serum creatinine pre-conditioning
110	SCREUNIT	Num	8		Serum creatinine pre-conditioning unit
111	SCREAULN	Num	8		Normal upper limit of serum creatinine for center
112	SCRENUNT	Num	8		Normal upper limit of serum creatinine for center, unit
113	SALBPRKW	Num	8		Serum albumin known pre-conditioning
114	SALBUMPR	Num	8		Serum albumin pre-conditioning



Num	Variable	Type	Len	Format	Label
115	SALBUNIT	Num	8		Serum albumin pre-conditioning unit
116	SALBMULN	Num	8		Normal upper limit of serum albumin for center
117	SALBNUNT	Num	8		Normal upper limit of serum albumin for center, unit
118	HB1PRKW	Num	8		Hemoglobin known pre-conditioning
119	HB1PR	Num	8		Hemoglobin pre-conditioning
120	HB1UNPR	Num	8		Hemoglobin pre-conditioning unit
121	HB1TFPR	Num	8		RBC transfused <30 prior to hemoglobin test
122	FUNGHXPR	Num	8		Clinically significant fungal infection at any time pre-conditioning
123	INTSCREPR	Num	8		Time from serum creatinine test pre-conditioning to transplant, months
124	INTSALBPR	Num	8		Time from serum albumin test pre-conditioning to transplant, months
125	INTXINTUB	Num	8		Time from HCT to intubation, months
126	VOD	Num	8		VOD post-HCT
127	INTXVOD	Num	8		Time from HCT to VOD, months
128	INTXTMA	Num	8		Time from HCT to TMA, months
129	INTXADIAL	Num	8		Time from HCT to acute renal failure, months
130	INTXCKD	Num	8		Time from HCT to chronic kidney disease, months
131	ARRHYTH_TYPE	Num	8		Type of arrhythmia
132	INTXARRHYTH	Num	8		Time from HCT to arrhythmia, months
133	INTXCHF	Num	8		Time from HCT to congestive heart failure, months
134	INTXINFAP	Num	8		Time from HCT to myocardial infarction, months
135	INTXHTN	Num	8		Time from HCT to HTN, months
136	INTXDVT	Num	8		Time from HCT to DVT, months
137	INTXCNS	Num	8		Time from HCT to CNS hemorrhage, months
138	INTXENC	Num	8		Time from HCT to encephalopathy, months
139	INTXNEURO	Num	8		Time from HCT to neuropathy, months
140	INTXSEIZ	Num	8		Time from HCT to seizures, months
141	INTXSTROKE	Num	8		Time from HCT to stroke, months
142	INTXDIAB	Num	8		Time from HCT to diabetes, months
143	INTXGHD	Num	8		Time from HCT to growth hormone deficiency, months
144	INTXHYP	Num	8		Time from HCT to hypothyroidism, months
145	INTXPANC	Num	8		Time from HCT to pancreatitis, months
146	INTXGOD	Num	8		Time from HCT to gonadal dysfunction, months
147	INTXCYST	Num	8		Time from HCT to hemorrhagic cystitis, months
148	INTXAVN	Num	8		Time from HCT to avascular necrosis, months
149	INTXOSTEO	Num	8		Time from HCT to osteoporosis, months
150	INTXDEPR	Num	8		Time from HCT to depression, months
151	INTXANX	Num	8		Time from HCT to anxiety, months
152	INTXPTSD	Num	8		Time from HCT to PTSD, months
153	INTXCATA	Num	8		Time from HCT to Cataracts, months

Num	Variable	Type	Len	Format	Label
154	INTXHYP	Num	8		Time from HCT to hyperlipidemia, months
155	INTXIRON	Num	8		Time from HCT to iron overload, months
156	IRON_TRT	Num	8		Type of therapy for iron overload
157	INTXMUCOS	Num	8		Time from HCT to mucositis, months
158	KPSPT	Num	8		Most recent Karnofsky/Lansky score post-HCT
159	OTHORGPSHI	Num	8		Other organ impairment or disorder
160	INTXOTHORGSP	Num	8		Time from HCT to other organ impairment, months
161	RACEG	Num	8		Race (regrouped):

**Data Set Name: curesc\_year4.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	Dummyid	Num	8		Dummy CIBMTR Recipient ID
2	flag_lancet	Num	8		Cases from 2019 Lancet Hematology publication
3	flag_blood	Num	8		Cases from 2016 Blood publication
4	flag_0601	Num	8		Cases from BMT CTN 0601
5	country	Num	8		Country of HCT institution
6	age	Num	8	8.1	Patient age at transplant, years
7	agegpff	Num	8		Patient age at transplant, years (grouped)
8	sex	Num	8		Sex
9	ethnicit	Num	8		Ethnicity
10	kps	Num	8		Karnofsky/Lansky score at HCT
11	hctcigpf	Num	8		HCT-comorbidity index
12	subdis1f	Num	8		Disease genotype
13	txnum	Num	8		Transplant number
14	txtype	Num	8		Transplant type
15	donorf	Num	8		Donor type
16	graftype	Num	8		Graft type
17	htpr	Num	8		Height pre-conditioning, cm
18	wtp	Num	8		Weight pre-conditioning, kg
19	condgrp	Num	8		Conditioning intensity
20	condgrp_final	Num	8		Conditioning regimen
21	atgf	Num	8		ATG/Alemtuzumab given as conditioning regimen/GVHD prophylaxis
22	gvhd_final	Num	8		GVHD prophylaxis
23	hla_final	Num	8		Donor-recipient HLA matching
24	rcmvpr	Num	8		Recipient CMV serostatus
25	yeargp	Num	8		Year of transplant (grouped)
26	yeartx	Num	8		Year of transplant
27	dead	Num	8		Survival status at last contact
28	intxsurv	Num	8		Time from HCT to date of last contact or death, months
29	efs	Num	8		Event-free survival (Graft failure or death are the events)
30	gf	Num	8		Graft failure
31	dwogf	Num	8		Death without graft failure
32	intxgf	Num	8		Time from HCT to graft failure, months
33	anc	Num	8		Neutrophil engraftment
34	dwoanc	Num	8		Death without neutrophil engraftment
35	intxanc	Num	8		Time from HCT to neutrophil engraftment, months
36	platelet	Num	8		Platelet recovery

Num	Variable	Type	Len	Format	Label
37	dwoplatelet	Num	8		Death without platelet recovery
38	intxplatelet	Num	8		Time from HCT to platelet recovery, months
39	agvhd	Num	8		Acute graft versus host disease, grades II-IV
40	dwoagvhd	Num	8		Death without acute graft versus host disease, grades II-IV
41	intxagvhd	Num	8		Time from HCT to acute graft-vs-host disease, months
42	cgvhd	Num	8		Chronic graft-vs-host disease
43	dwocgvhd	Num	8		Death without chronic graft-vs-host disease
44	intxcgvhd	Num	8		Time from HCT to chronic graft-vs-host disease, months
45	ptld	Num	8		Post-transplant lymphoproliferative disorder (PTLD)
46	intxptld	Num	8		Time from HCT to PTLD, months
47	scdmal_final	Num	8		Secondary malignancy
48	intxscdmal	Num	8		Time from HCT to second malignancy, months
49	screprkw	Num	8		Serum creatinine known pre-conditioning
50	screatpr	Num	8		Serum creatinine pre-conditioning
51	screunit	Num	8		Serum creatinine pre-conditioning unit
52	intscrepr	Num	8		Time from serum creatinine pre-conditioning date collected to HCT, months
53	screauln	Num	8		Normal upper limit of serum creatinine for center
54	screnunt	Num	8		Normal upper limit of serum creatinine for center, unit
55	salbprkw	Num	8		Serum albumin known pre-conditioning
56	salbumpr	Num	8		Serum albumin pre-conditioning
57	salbunit	Num	8		Serum albumin pre-conditioning unit
58	intsalbpr	Num	8		Time from serum albumin pre-conditioning date collected to HCT, months
59	salbmuln	Num	8		Normal upper limit of serum albumin for center
60	salbnunt	Num	8		Normal upper limit of serum albumin for center, unit
61	hb1prkw	Num	8		Hemoglobin known pre-conditioning
62	hb1pr	Num	8		Hemoglobin pre-conditioning
63	hb1unpr	Num	8		Hemoglobin pre-conditioning unit
64	hb1tfpr	Num	8		RBC transfused <30 prior to hemoglobin test
65	funghxpr	Num	8		Clinically significant fungal infection at any time pre-conditioning
66	ipnpshi	Num	8		Did patient develop Ipn, ARDS, or IPS following HCT?
67	pulmabhi	Num	8		Did patient develop other non-infectious pulmonary abnormality following HCT?
68	eintubhi	Num	8		Intubation or mechanical ventilation post-HCT
69	intxintub	Num	8		Time from HCT to intubation, months
70	extubahi	Num	8		Successfully extubated following intubation
71	vod	Num	8		VOD post-HCT
72	intxvod	Num	8		Time from HCT to VOD, months
73	tmapshi	Num	8		TMA post-HCT
74	intxtma	Num	8		Time from HCT to TMA, months
75	tmarslhi	Num	8		Did TMA resolve?

Num	Variable	Type	Len	Format	Label
76	adialyhi	Num	8		Acute renal failure requiring dialysis
77	intxadial	Num	8		Time from HCT to acute renal failure, months
78	adiastls	Num	8		Patient still on dialysis
79	ckdnpshi	Num	8		Chronic kidney disease
80	intxckd	Num	8		Time from HCT to chronic kidney disease, months
81	cdiastls	Num	8		Patient still on dialysis
82	arrhythhi	Num	8		Arrhythmia
83	intxarrhyth	Num	8		Time from HCT to arrhythmia, months
84	arrhyth_type	Num	8		Type of arrhythmia
85	chfpshi	Num	8		Congestive heart failure
86	intxCHF	Num	8		Time from HCT to congestive heart failure, months
87	cadpshi	Num	8		Coronary artery disease
88	infapshi	Num	8		Myocardial infarction/unstable angina
89	intxininfap	Num	8		Time from HCT to myocardial infarction, months
90	htnrxhi	Num	8		Hypertension (HTN) requiring therapy
91	intxhtn	Num	8		Time from HCT to HTN, months
92	htnstls	Num	8		Patient still receiving HTN therapy
93	dvtpehi	Num	8		Deep vein thrombosis (DVT)/pulmonary embolism (PE)
94	intxdvt	Num	8		Time from HCT to DVT, months
95	dvtcathi	Num	8		DVT catheter related
96	cnschemhi	Num	8		CNS hemorrhage
97	intxcns	Num	8		Time from HCT to CNS hemorrhage, months
98	encephhi	Num	8		Encephalopathy
99	intxenc	Num	8		Time from HCT to encephalopathy, months
100	neurophi	Num	8		Neuropathy
101	intxneuro	Num	8		Time from HCT to neuropathy, months
102	seizpshi	Num	8		Seizures
103	intxseiz	Num	8		Time from HCT to seizures, months
104	strkpshi	Num	8		Stroke
105	intxstroke	Num	8		Time from HCT to stroke, months
106	diabrxhi	Num	8		Diabetes/hyperglycemia requiring chronic treatment
107	intxdiab	Num	8		Time from HCT to diabetes, months
108	diabstls	Num	8		Patient still receiving diabetes therapy
109	grwdpshi	Num	8		Growth hormone deficiency/ short stature
110	intxghd	Num	8		Time from HCT to growth hormone deficiency, months
111	grwdrxhi	Num	8		Therapy given for growth hormone deficiency
112	hyporxhi	Num	8		Hypothyroidism requiring treatment
113	intxhypo	Num	8		Time from HCT to hypothyroidism, months
114	panepshi	Num	8		Pancreatitis

Num	Variable	Type	Len	Format	Label
115	intxpanc	Num	8		Time from HCT to pancreatitis, months
116	godypshi	Num	8		Gonadal dysfunction requiring hormone therapy
117	intxgod	Num	8		Time from HCT to gonadal dysfunction, months
118	hcypshi	Num	8		Hemorrhagic cystitis
119	intxcyst	Num	8		Time from HCT to hemorrhagic cystitis, months
120	avnpsi	Num	8		Avascular necrosis
121	intxavn	Num	8		Time from HCT to avascular necrosis, months
122	ostjawhi	Num	8		Osteonecrosis of the jaw
123	osteophi	Num	8		Osteoporosis
124	intxosteo	Num	8		Time from HCT to osteoporosis, months
125	ostfxhi	Num	8		Osteoporotic fracture
126	deprxhi	Num	8		Depression requiring therapy
127	intxdepr	Num	8		Time from HCT to depression, months
128	anxirxhi	Num	8		Anxiety requiring therapy
129	intxanx	Num	8		Time from HCT to anxiety, months
130	ptsdrxhi	Num	8		Post-traumatic stress disorder (PTSD) requiring therapy
131	intxptsd	Num	8		Time from HCT to PTSD, months
132	catapshi	Num	8		Cataracts
133	intxcata	Num	8		Time from HCT to Cataracts, months
134	hylrxhi	Num	8		Hyperlipidemia requiring therapy
135	intxhylip	Num	8		Time from HCT to hyperlipidemia, months
136	hylistls	Num	8		Patient still receiving hyperlipidemia therapy
137	ironrxhi	Num	8		Iron overload requiring therapy
138	intxiron	Num	8		Time from HCT to iron overload, months
139	iron_trt	Num	8		Type of therapy for iron overload
140	mucorxhi	Num	8		Mucositis requiring therapy
141	intxmucos	Num	8		Time from HCT to mucositis, months
142	omsgrdhi	Num	8		OMS grade
143	othorgpsi	Num	8		Other organ impairment or disorder
144	intxothorgsp	Num	8		Time from HCT to other organ impairment, months
145	kpspt	Num	8		Most recent Karnofsky/Lansky score post-HCT
146	livbxpr	Num	8		Liver biopsy performed pre-conditioning
147	fibopr	Num	8		Fibrosis present pre-conditioning
148	acspr	Num	8		Acute chest syndrome (ACS) pre-conditioning
149	nacs2yr	Num	8		Number of ACS syndromes within 2 years pre-HCT
150	exchtfpr	Num	8		Require exchange transfusion pre-conditioning
151	rbetrfrpr	Num	8		Transfusion of RBC for ACS pre-conditioning
152	intubapr	Num	8		Intubation or mechanical ventilation for ACS pre-conditioning
153	snephprpr	Num	8		Sickle nephropathy pre-conditioning

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
154	strokepr	Num	8		Stroke pre-conditioning
155	voc2ypr	Num	8		Vaso-occlusive crisis requiring hospitalization within 2 years pre-HCT
156	vocfrqpr	Num	8		Frequency of hospitalizations for vaso-occlusive crises
157	scatxrsn	Num	8		Primary reason for HCT
158	snephrhi	Num	8		Sickle nephropathy post-HCT
159	hbepshi	Num	8		Hemoglobin electrophoresis performed post-HCT
160	strokehi	Num	8		Stroke post HCT
161	vocpshi	Num	8		Vaso-occlusive pain post HCT
162	acspshi	Num	8		Acute chest syndrome post HCT
163	raceg	Num	8		Race (regrouped):

**Data Set Name: curesc\_year5.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	DummyID	Num	8		Dummy CIBMTR Recipient ID
2	flag_lancet	Num	8		Cases from 2019 Lancet Hematology publication
3	flag_blood	Num	8		Cases from 2016 Blood publication
4	flag_0601	Num	8		Cases from BMT CTN 0601
5	country	Num	8		Country of HCT institution
6	age	Num	8	8.1	Patient age at transplant, years
7	agegpff	Num	8		Patient age at transplant, years (grouped)
8	sex	Num	8		Sex
9	ethnicit	Num	8		Ethnicity
10	raceg	Num	8		Race (regrouped)
11	kps	Num	8		Karnofsky/Lansky score at HCT
12	hctcigpf	Num	8		HCT-comorbidity index
13	subdis1f	Num	8		Disease genotype
14	txnum	Num	8		Transplant number
15	txtype	Num	8		Transplant type
16	donorf	Num	8		Donor type
17	graftype	Num	8		Graft type
18	htpr	Num	8		Height pre-conditioning, cm
19	wtp	Num	8		Weight pre-conditioning, kg
20	condgrpf	Num	8		Conditioning intensity
21	condgrp_final	Num	8		Conditioning regimen
22	atgf	Num	8		ATG/Alemtuzumab given as conditioning regimen/GVHD prophylaxis
23	gvhd_final	Num	8		GVHD prophylaxis
24	hla_final	Num	8		Donor-recipient HLA matching
25	rcmvpr	Num	8		Recipient CMV serostatus
26	yeargp	Num	8		Year of transplant (grouped)
27	yeartx	Num	8		Year of transplant
28	dead	Num	8		Survival status at last contact
29	intxsurv	Num	8		Time from HCT to date of last contact or death, months
30	deathgp	Num	8		Cause of death
31	efs	Num	8		Event-free survival (Graft failure or death are the events)
32	gf	Num	8		Graft failure
33	dwogf	Num	8		Death without graft failure
34	intxgf	Num	8		Time from HCT to graft failure, months
35	subtx	Num	8		Received subsequent transplant
36	intxsubtx	Num	8		Time from HCT to subsequent transplant, months



<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
37	anc	Num	8		Neutrophil engraftment
38	dwoanc	Num	8		Death without neutrophil engraftment
39	intxanc	Num	8		Time from HCT to neutrophil engraftment, months
40	platelet	Num	8		Platelet recovery
41	dwoplatelet	Num	8		Death without platelet recovery
42	intxplatelet	Num	8		Time from HCT to platelet recovery, months
43	agvhd	Num	8		Acute graft versus host disease, grades II-IV
44	dwoagvhd	Num	8		Death without acute graft versus host disease, grades II-IV
45	intxagvhd	Num	8		Time from HCT to acute graft-vs-host disease, months
46	cgvhd	Num	8		Chronic graft-vs-host disease
47	dwocgvhd	Num	8		Death without chronic graft-vs-host disease
48	intxcgvhd	Num	8		Time from HCT to chronic graft-vs-host disease, months
49	ptld	Num	8		Post-transplant lymphoproliferative disorder (PTLD)
50	intxptld	Num	8		Time from HCT to PTLD, months
51	scdmal_final	Num	8		Secondary malignancy
52	intxscdmal	Num	8		Time from HCT to second malignancy, months
53	screprkw	Num	8		Serum creatinine known pre-conditioning
54	screatpr	Num	8		Serum creatinine pre-conditioning
55	screunit	Num	8		Serum creatinine pre-conditioning unit
56	intscrepr	Num	8		Time from serum creatinine pre-conditioning date collected to HCT, months
57	screauln	Num	8		Normal upper limit of serum creatinine for center
58	screnunt	Num	8		Normal upper limit of serum creatinine for center, unit
59	salbprkw	Num	8		Serum albumin known pre-conditioning
60	salbumpr	Num	8		Serum albumin pre-conditioning
61	salbunit	Num	8		Serum albumin pre-conditioning unit
62	intsalbpr	Num	8		Time from serum albumin pre-conditioning date collected to HCT, months
63	salbmuln	Num	8		Normal upper limit of serum albumin for center
64	salbnunt	Num	8		Normal upper limit of serum albumin for center, unit
65	hb1prkw	Num	8		Hemoglobin known pre-conditioning
66	hb1pr	Num	8		Hemoglobin pre-conditioning
67	hb1unpr	Num	8		Hemoglobin pre-conditioning unit
68	hb1tfpr	Num	8		RBC transfused <30 prior to hemoglobin test
69	funghxpr	Num	8		Clinically significant fungal infection at any time pre-conditioning
70	ipnpshi	Num	8		Did patient develop Ipn, ARDS, or IPS following HCT?
71	pulmabhi	Num	8		Did patient develop other non-infectious pulmonary abnormality following HCT?
72	eintubhi	Num	8		Intubation or mechanical ventilation post-HCT
73	intxintub	Num	8		Time from HCT to intubation, months
74	extubahi	Num	8		Successfully extubated following intubation
75	vod	Num	8		VOD post-HCT

Num	Variable	Type	Len	Format	Label
76	intxvod	Num	8		Time from HCT to VOD, months
77	tmapshi	Num	8		TMA post-HCT
78	intxtma	Num	8		Time from HCT to TMA, months
79	tmarslhi	Num	8		Did TMA resolve?
80	adialyhi	Num	8		Acute renal failure requiring dialysis
81	intxadial	Num	8		Time from HCT to acute renal failure, months
82	adiastls	Num	8		Patient still on dialysis
83	ckdnpshi	Num	8		Chronic kidney disease
84	intxckd	Num	8		Time from HCT to chronic kidney disease, months
85	cdiastls	Num	8		Patient still on dialysis
86	arrhyth	Num	8		Arrhythmia
87	intxarrhyth	Num	8		Time from HCT to arrhythmia, months
88	arrhyth_type	Num	8		Type of arrhythmia
89	chfpshi	Num	8		Congestive heart failure
90	intxchf	Num	8		Time from HCT to congestive heart failure, months
91	cadpshi	Num	8		Coronary artery disease
92	infapshi	Num	8		Myocardial infarction/unstable angina
93	intxinfap	Num	8		Time from HCT to myocardial infarction, months
94	htnrshi	Num	8		Hypertension (HTN) requiring therapy
95	intxhtn	Num	8		Time from HCT to HTN, months
96	htnstls	Num	8		Patient still receiving HTN therapy
97	dvtpehi	Num	8		Deep vein thrombosis (DVT)/pulmonary embolism (PE)
98	intxdvt	Num	8		Time from HCT to DVT, months
99	dvtcathi	Num	8		DVT catheter related
100	cnschemhi	Num	8		CNS hemorrhage
101	intxcns	Num	8		Time from HCT to CNS hemorrhage, months
102	encephhi	Num	8		Encephalopathy
103	intxenc	Num	8		Time from HCT to encephalopathy, months
104	neurophi	Num	8		Neuropathy
105	intxneuro	Num	8		Time from HCT to neuropathy, months
106	seizpshi	Num	8		Seizures
107	intxseiz	Num	8		Time from HCT to seizures, months
108	strkpshi	Num	8		Stroke
109	intxstroke	Num	8		Time from HCT to stroke, months
110	diabrxhi	Num	8		Diabetes/hyperglycemia requiring chronic treatment
111	intxdiab	Num	8		Time from HCT to diabetes, months
112	diabstls	Num	8		Patient still receiving diabetes therapy
113	grwdpshi	Num	8		Growth hormone deficiency/ short stature
114	intxghd	Num	8		Time from HCT to growth hormone deficiency, months

Num	Variable	Type	Len	Format	Label
115	grwdrxhi	Num	8		Therapy given for growth hormone deficiency
116	hyporxhi	Num	8		Hypothyroidism requiring treatment
117	intxhypo	Num	8		Time from HCT to hypothyroidism, months
118	pancpshi	Num	8		Pancreatitis
119	intxpanc	Num	8		Time from HCT to pancreatitis, months
120	godypshi	Num	8		Gonadal dysfunction requiring hormone therapy
121	intxgod	Num	8		Time from HCT to gonadal dysfunction, months
122	hcypshi	Num	8		Hemorrhagic cystitis
123	intxcyst	Num	8		Time from HCT to hemorrhagic cystitis, months
124	avnpsi	Num	8		Avascular necrosis
125	intxavn	Num	8		Time from HCT to avascular necrosis, months
126	ostjawhi	Num	8		Osteonecrosis of the jaw
127	osteophi	Num	8		Osteoporosis
128	intxosteo	Num	8		Time from HCT to osteoporosis, months
129	ostfxhi	Num	8		Osteoporotic fracture
130	deprxhi	Num	8		Depression requiring therapy
131	intxdepr	Num	8		Time from HCT to depression, months
132	anxirxhi	Num	8		Anxiety requiring therapy
133	intxanx	Num	8		Time from HCT to anxiety, months
134	ptsdrxhi	Num	8		Post-traumatic stress disorder (PTSD) requiring therapy
135	intxptsd	Num	8		Time from HCT to PTSD, months
136	catapshi	Num	8		Cataracts
137	intxcata	Num	8		Time from HCT to Cataracts, months
138	hylirxhi	Num	8		Hyperlipidemia requiring therapy
139	intxhylip	Num	8		Time from HCT to hyperlipidemia, months
140	hylistls	Num	8		Patient still receiving hyperlipidemia therapy
141	ironrxhi	Num	8		Iron overload requiring therapy
142	intxiron	Num	8		Time from HCT to iron overload, months
143	iron_trt	Num	8		Type of therapy for iron overload
144	mucorxhi	Num	8		Mucositis requiring therapy
145	intxmucos	Num	8		Time from HCT to mucositis, months
146	omsgrdhi	Num	8		OMS grade
147	othorgpsi	Num	8		Other organ impairment or disorder
148	intxothorgsp	Num	8		Time from HCT to other organ impairment, months
149	kpspt	Num	8		Most recent Karnofsky/Lansky score post-HCT
150	livbxpr	Num	8		Liver biopsy performed pre-conditioning
151	fibopr	Num	8		Fibrosis present pre-conditioning
152	acspr	Num	8		Acute chest syndrome (ACS) pre-conditioning
153	nacs2yr	Num	8		Number of ACS syndromes within 2 years pre-HCT

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
154	exchtfpr	Num	8		Require exchange transfusion pre-conditioning
155	rbctrfpr	Num	8		Transfusion of RBC for ACS pre-conditioning
156	intubapr	Num	8		Intubation or mechanical ventilation pre-conditioning
157	snephrpr	Num	8		Sickle nephropathy pre-conditioning
158	strokepr	Num	8		Stroke pre-conditioning
159	voc2ypr	Num	8		Vaso-occlusive crisis requiring hospitalization within 2 years pre-HCT
160	vocfrqpr	Num	8		Frequency of hospitalizations for vaso-occlusive crises
161	scatxrsn	Num	8		Primary reason for HCT
162	snephrhi	Num	8		Sickle nephropathy post-HCT
163	hbepshi	Num	8		Hemoglobin electrophoresis performed post-HCT
164	strokehi	Num	8		Stroke post HCT
165	vocpshi	Num	8		Vaso-occlusive pain post HCT
166	acspshi	Num	8		Acute chest syndrome post HCT